

Figure 1

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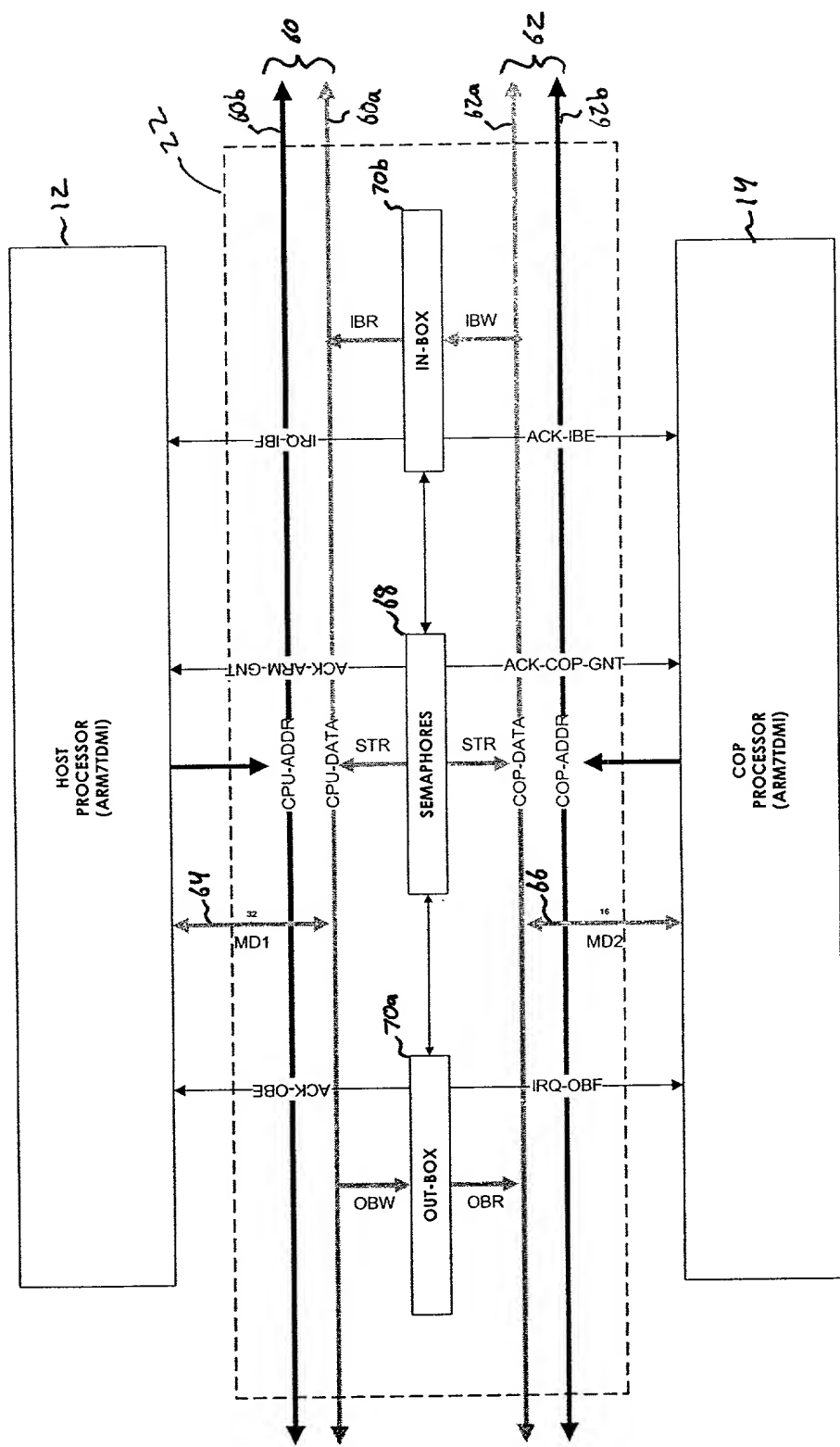


Figure 2

UP-REG NAME	ADDRESS	TYPE	SIZE	DISCRIPTION	MSB	31	30	29	28	27	26	25	24	23	22
Process Generator															
UP-TAG	C400:0000	RO	1W	Unique Process TAG (55=CPU, AA=COP)											
UP-REG	C800:3XXX	R/W	16W	Unique Processor Private Register (RSVD)											
Semaphore Controller															
SHRD_SMP_STA	C800:4000	RO	32b	Shared Resource Semaphore Status	RAM3	RAM2	RAM1	RAM0	MEM	IO	SMP_25	SMP_24	SMP_23	SMP_22	
SHRD_SMP_SET_REQ	C800:4004	set.req	32b	Shared Resource Semaphore Set-bit Request							SET_25	SET_24	SET_23	SET_22	
SHRD_SMP_CLR	C800:4008	clr	32b	Shared Resource Semaphore Clr-bit Request							CLR_25	CLR_24	CLR_23	CLR_22	
SHRD_IN_BOX	C800:4010	Msg	32b	Shared Resource InBox (CPU read-clears TAG)	IE_IBE	IE_IBE	IBE_TAG	0							
SHRD_OUT_BOX	C800:4020	Msg	32b	Shared Resource OutBox (COP read-clears TAG)	IE_OBE	IE_OBE	OBE_TAG	0							

Figure 3